ervice Manua

Colour Television

TC-1785DRS

Chassis No. Z3T

ipecifications

'ower Source:

220 volts, 50 Hz, AC

'ower Consumption:

80 W

Aerial Impedance:

75 Ω unbalanced, coaxial

type

Receiving Channels:

VHF CH2-CH12 S1-3,

M1-10, U1-9 UHF CH21-CH69

ntermediate

requency:

Video 38.9 MHz

Sound 33.4 MHz

Colour 34.47 MHz

/ideo/Audio erminals:

21 pin IN

Video 1 Vp-p 75 Ω

Audio 0.67

Vrms, 47k Ω

21 pin OUT

Video 1 Vp-p 75 Ω

Audio 0.67

Vrms (100%

modulation) 1k Ω

'icture Tube:

A41EAM01X01

(44 cm) measured

diagonally, 90° deflection Picture Tube

Anode Voltage:

 $25.0 \text{ kV} \pm 1.5 \text{ kV}$

Speaker:

10 cm, 8 Ω, Round

Sound Output:

3 Watts maximum

Dimensions:

Height: 389 mm

Width: 430 mm

Depth: 424 mm

Vet Weight:

14.8 kg

Technische Daten

Netzspannung:

220 V Wechselspannung,

50 Hz

Leistungaufnahme:

80 W

Antennenanschluß:

DIN-Buchse, koaxial, 75 ohm impedanz

unsymmetrisch

Empfangskanäle:

VHF CH-2-CH12, S1-3,

M1-10, U1-9, UHF CH21-CH69

Zwischenfrequenzez:

Bildträger, 38,9 MHz

Tonträger, 33,4 MHz

Farbhilfsträger, 34.47 MHz

Video/Audio

Anschlüsse:

21-poliger

Eingang

21 pin-poliger

Ausgang

Video 1 Vs-s 75 Ω

Audio 0.67 Vrms,

47k Ω

Video 1 Vs-s 75 Ω

Audio 0.67 Vrms (100%

modulation) 1k Ω

Bildröhre:

A41EAM01X01

(44 cm) Schirmdiagonale

90 Ablenkung

Hochspannung:

25.0 kV ± 1.5 kV

Lautsprecher:

10 cm, 8 Ω, Rund

Tonausgangs-

leistung:

3 W (Maximalleistung)

Amessungen:

 $389 \times 430 \times 424 \, \text{mm}$

Gewicht:

14.8 kg

anasonic

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SAFETY PRECAUTIONS

GENERAL GUIDE LINES

- 1. It is advisable to insert an isolation transformer in the AC supply before servicing a hot chassis.
- When servicing, observe the original lead dress, especially the lead dress in the high voltage circuits. If a short circuit is found, replace all parts which have been overheated or damaged by the short circuit.
- After servicing, see to it that all the protective devices such as insulation barriers, insulation papers, shields and isolation R-C combinations, are properly installed.
- When the receiver is not to be used for a long period of time, unplug the power cord from the AC outlet.
- 5. Potential, as high as 25.0 kV, is present when this receiver is in operation. Operation of the receiver without the rear cover involves the danger of a shock hazard from the receiver power supply. Servicing should not be attempted by anyone who is not thoroughly familiar with the precautions necessary when working on high voltage equipment. Always discharge the anode of the picture tube to the receiver chassis before handling the tube.
- After servicing make the following leakage current checks to prevent the customer from being exposed to shock hazards.

LEAKAGE CURRENT COLD CHECK

- 1. Unplug the AC cord and connect a jumper between the two prongs on the plug.
- 2. Turn on the receiver's power switch.
- 3. Measure the resistance value, with an ohmmeter, between the jumpered AC plug and each exposed metallic cabinet part on the receiver, such as screwheads, aerials, connectors, control shafts, etc. When the exposed metallic part has a return path to the chassis, the reading should be between 4 M Ω and 20 M Ω . When the exposed metal does not have a return path to the chassis, the reading must be \propto .

SICHERHEITS-VORKEHRUNGEN

ALLGEMEINE RICHTLINIEN

- 1. Es ist empfehlenswert, einen Trenntransformator in die Stromversorgung zu schalten, bevor Reparaturen an einem Gerät vorgenommer werden, dessen Chassis unter Spannung steht
- 2. Bei der Durchführung von Servicearbeiten dürfer die ursprünglichen Kabelanschlüsse nicht vertauscht werden, dies gilt insbesondere für die Anschlüsse im Hochspannungsteil. Hat sich eir Kurzschluß ereignet, dann sind alle Teile, ar denen Spuren von Überhitzung sichtbar sind auszuwechseln.
- 3. Nach Beenden der Servicearbeiten ist sicher zustellen, daß alle Sicherheitsvorrichtungen, wie Isolationsstege, Isolationspapiere, Abschirm ungen und Isolations R.C. Glieder wieder richtig eingesetzt sind.
- Wenn der Fernseher während längerer Zeit nicht ir Betrieb gesetzt wird, sollte der Netzstecker aus der Netzsteckdose gezogen werden.
- 5. Spannungen von bis zu 25.0 kV sind vorhanden wenn dieser Fernseher in Betrieb ist. Die Inbetriebnahme des Fernsehers ohne aufgesetzte Rückwand bringt die Gefahr eines elektrischer Schlages von der Fernseher Stromversorgung mit sich. Servicearbeiten sollten daher auch nie durch Personen versucht werden, die nicht ir vollem Umfang mit den Sicherheitsvorkehrunger beim Umgang mit Hochspannungsgeräter vertraut sind. Vor der Handhabung mit der Bildröhre ist die Anode der Bildröhre immer an dem Empfängerchassis zu entladen.
- Nach Beenden der Servicearbeiten sind die folgenden Kriechstrom-Prüfungen durchzuführen, um den Kunden vor der Gefahr eines elektrischer Schlages zu schützen.

MESSUNG DES ISOLATIONSWIDERSTANDES IM ABGESCHALTETEN ZUSTAND

- Den Netzstecker aus der Netzsteckdose ziehen und die beiden Steckerstifte kurzschließen.
- 2. Den Geräteschalter des Fernsehgerätes einschalten.
- 3. Mit einem Ohmmeter den Widerstandswert zwischen dem überbrückten Netzkabelstecker und jedem zugänglichen Metallteil am Gehäuse des Fernsehgerätes, wie Schraubenköpfe, Antennen, Achsen der Regler, Griffassungen usw.messen. Wenn ein zugängliches Metallteil eine Rückleitung zum Chassis hat, sollte die Anzeige zwischen 4 MΩ und 20 MΩ betragen. Wenn ein zugängliches Metallteil keine Rückleitung zum Chassis hat, muß die Anzeige α betragen.

EAKAGE CURRENT HOT CHECK (See Fig. 1)

- . Plug the AC cord directly into the AC outlet. Do not use an isolation transformer for this check.
- . Connect a 2 k Ω , 10 W resistor, in series with an exposed metallic part on the receiver and an earth such as water pipe.
- Use an AC voltmeter, with 1000 ohms/volt or more sensitivity, to measure the potential across the resistor.
- . Check each exposed metallic part, and measure the voltage at each point.
- . Reverse the AC plug in the AC outlet and repeat each of the above measurements.
- . The potential at any point should not exceed 1.4 volts RMS. In case a measurement is outside of the limits specified, there is a possibility of a shock hazard, and the receiver should be repaired and rechecked before it is returned to the customer.

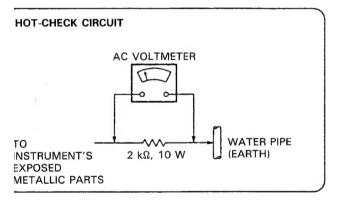


Fig. 1

-RADIATION

VARNING:

- . The potential sources of X-Radiation in TV sets are the High Voltage section and the picture tube.
- . When using a picture tube test jig for service, ensure that jig is capable of handling 25.0 kV without causing X-Radiation.

IOTE: It is important to use an accurate periodically calibrated high voltage meter.

- . Set the brightness to minimum.
- . Set the service switch to the SERVICE position.
- . Measure the High Voltage. The meter reading should indicate 25.0 kV \pm 1.5 kV. If the meter indication is out of tolerance, immediate service and correction is required to prevent the possibility of premature component failure.
- To prevent an X-Radiation possibility, it is essential to use the specified tube.

MESSUNG DES KRIECHSTROMS IM EINGE-SCHALTETEN ZUSTAND (Siehe Abb. 1)

- Den Netzstecker direkt in eine Netzsteckdose stecken. Für diese Messung keinen Trenntransformator verwenden.
- Einen 2 kΩ/10 W-Widerstand in Serie mit einem von außen zugänglichen Metallteil am Fernsehgerät und einer guten, Erdung z.B. Wasserleitung, anschließen.
- Ein Wechselstrom-Voltmeter mit einmen Meßbereich von 1000 Ohm/Volt oder größer verwenden, um die Spannung über den Widerstand zu messen.
- 4. Jedes zugänglich Metallteil prüten, und an jedem Punkt die Spannung messen.
- 5. Den Netzstecker umgekehrt in die Steckdose stecken und jede der obigen Messungen wiederholen.
- 6. Die Spannung darf an keinem, der Punkte 1.4 V eff. überschreiten. Wird dieser Wert nicht eingehalten, besteht die Gefahr eines elektrischen Schlages, und das Fernsehgerät sollte daher repariert und nachgeprüft werden, bevor es an den Kunden zurückgegeben wird.

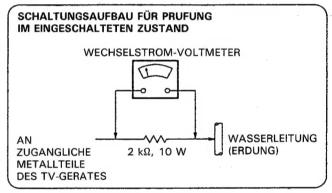


Abb. 1

RÖNTGENSTRAHLUNG

ACHTUNG:

- Potentielle Quellen von Röntgenstrahlung in Fernsehgeräten sind das Hochspannungsteil und die Bildröhre.
- 2. Bei Verwendung eines Bildröhren-Prüfgerätes für den Service ist sicherzustellen, daß es für die Belastung von 25.0 kV geeignet ist, ohne daß eine Röntgenstrahlung verursacht wird.

ANMERKUNG: Es ist wichtig, daß ein präzises, regelmäßig geprüftes Voltmeter verwendet wird.

- 1. Helligkeit auf Minimum stellen.
- 2. Den Service-Schalter in die "SERVICE"-Position stellen.
- 3. Die Hochspannung messen. Die Anzeige des Instrumentes sollite 25.0 kV ± 1.5, betragen. Falls die Anzeige diese Toleranzgrenzen überschreitet, ist sofortige die Behebung nötig, um die Möglichkeit vorzeitigen Komponentenausfalls zu verhüten.
- 4. Um die Möglichkeit von Röntgenstrahlung zu begrenzen, ist es wichtig, daß nur die vorgeschriebene Bildröhre verwendet wird.

SHUT DOWN CIRCUIT TEST

This test must be made as a final check before the set is returned to the customer.

- 1. With the rear cover removed, supply nominal 220 V AC to the set, turn on the power switch.
- 2. Receive a Philips pattern.
- 3. Supply 45 V DC to TPE7, and confirm that the shut down circuit does not operate.
- 4. Supply 65 V DC to TPE7, and confirm that the shut down circuit operates.

TEST KURZSCHLUSS-SICHERHEITSSCHALTUNG

<u>Dieser Test muß als letzte Prüfung vor der Rückgabe</u> des Gerätes an den Kunden durchgeührt werden.

- Bei abgenommener Rückwand ist dem Gerät 220 V Nennspannung zuzuführen, und der Geräteschalter einzuschalten.
- 2. Ein Philips-Muster empfangen.
- 3. Gleichspannung von 45 V an TPE7 einspeisen und sicherstellen, daß die Kurzschluß-Sicherheitsschaltung nicht anspricht.
- 4. Gleichspannung von 65 V an TPE7 einspeisen und sich vergewissern, daß die Kurzschluß-Sicherheitsschaltung jetzt anspricht.

LOCATION OF CONTROLS

KONTROLLANLAGE

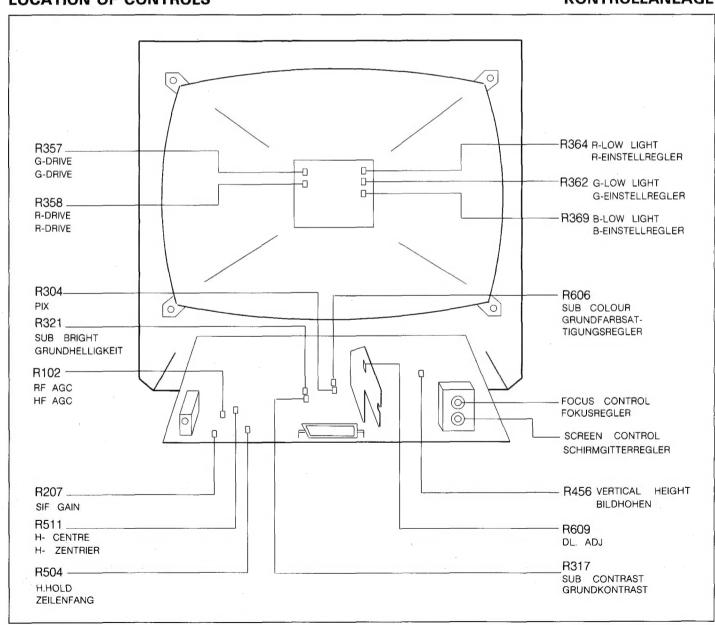


Fig. 2 Abb. 2

SERVICE HINTS

Removal of E-Board

lote:

f the following procedure is not carried out, damage nay occur to E-Board when attempting removal.

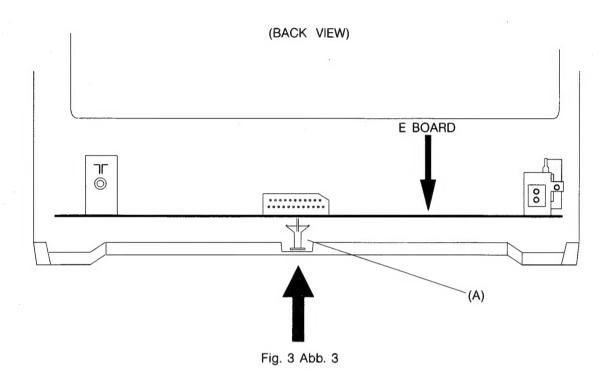
- Using a small screwdriver release the Pcb retaining clip (A) as shown in fig. 3 and 4.
- 2. To remove the Pcb from the cabinet, lift the Pcb and pull backwards see fig. 5.

WARTUNGSHINWEISE

Ausbau der E-Platine hinweis

Die folgenden hinweis unbedingt beachten, um beschädigungen dere-platine zu vermeiden.

- Mit einem schmalen schraubendreher den platinenhelter (A) nach oben drücken, wie in Abb. 3 und 4 gezeigt.
- 2. Die platine anhaben und aus dem gehäuse herausziehen, wie in Abb. 5 gezeigt.



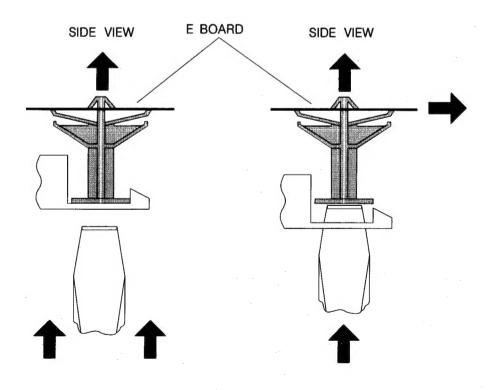


Fig. 4 Abb. 4

Fig. 5 Abb. 5

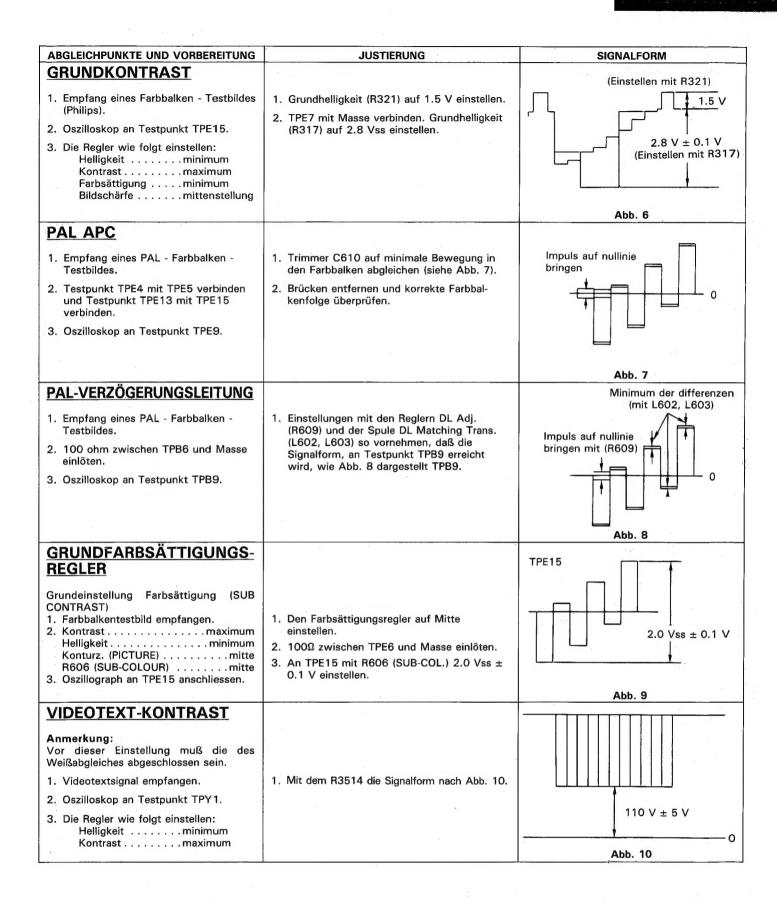
ADJUSTMENTS

ITEM/PREPARATION	ADJUSTMENT PROCEDURE					
B VOLTAGE						
1. Operate the TV set.	Confirm the indicated test points for the specified voltage.					
2. Set controls: Bright minimum Contrast minimum Sub-Bright minimum	TPE1: $118.7 \pm 1.5 \text{ V}$ TPE5: $12.0 \pm 1.0 \text{ V}$ TPE2: $5.0 \pm 1 \text{ V}$ TPE10: $187 \pm 10.0 \text{ V}$ TPE3: $25.6 \pm 2.0 \text{ V}$ TPE12: $8.8 \pm 1.0 \text{ V}$ TPE4: $16.0 \pm 1.0 \text{ V}$					
AFC						
1. Operate the TV set.	1. Adjust L102 so that voltage at TPE22 becomes $6.0 \pm 0.3 \text{ V}$.					
2. Set a channel in UHF band.	2. Change the frequency and confirm the voltage as shown below.					
3. Supply 38.9 MHz continuous wave to TP of Tuner.	+ 100 kHz: less than 5.0 V - 100 kHz: more than 7.0 V					
4. Connect a DVM to TPE22.						
RF AGC						
1. Receive a colour bar pattern.	1. Turn RF AGC control (R102) fully clockwise.					
2. Set the input level to 66 dB \pm 2 dB (75 Ω open). 3. Connect an oscilloscope to TPE9 with DC mode.	Slowly turn R102 counterclockwise to set it at the point just before voltag at TPE9 drops.					
HIGH VOLTAGE						
Operate the TV set. Set controls:	1. Confirm that the high voltage is within a range of 25.0 kV + 1.5 kV, -1.5 kV.					
Bright minimum Contrast minimum Sub-Bright minimum	Note: If the high voltage is out of tolerance, confirm that voltage at zero bea current (Bright, Contrast and Colour controls to their minimum position within the above tolerance.					
TELETEXT CLOCK						
Operate the TV set and confirm the +B voltage.	1. Adjust C3528. Reading of the counter: 6.01 MHz ± 200 Hz.					
2. Connect a frequency counter to TPT6.						
3. Earth TPT5.						

JUSTIERUNGEN

ABGLEICHPUNKTE UND VORBEREITUNG	JUSTIERUNG
VERSORGUNGSSPANNUNG B	
TV einschalten. Die Regler wie folgt einstellen: Helligkeit minimum Kontrast minimum Grundhelligkeitsregler . minimum	Die Messungen an den Testpunkten sollen folgende Betriebsspannungen ergeben. TPE1: 118.7 ± 2.0 V TPE5: 12.0 ± 1.0 V TPE2: 5.0 ± 1.0 V TPE10: 187 ± 10.0 V TPE3: 25.6 ± 2.0 V TPE12: 8.8 ± 1.0 V TPE4: 16.0 ± 1.0 V
 AFC TV einschalten. Kanal im UHF-Bereich wählen. Meßsender auf 38.9 MHz einstellen und an den Tuner-Testpunkt anschließen. DVM an TPE22 anschließen. 	 Spule L102 so abgleichen, daß die Gleichspannung am TPE22 6.0 V ± 0.1 V beträgt. Die Frequenz ändern, und die Spannung wie folgt kontrollieren: + 100 kHz: Kleiner als 5 V - 100 kHz: Größer als 7.0 V
 RF AGC Empfang eines Farbbalken - Testbildes. Das Eingangssignal soll mit 66 dB ± 2 dB (75Ω eingespeist werden). Oszilloskop an TPE9 in DC-Funktion anklemmen. 	Der Regler RF AGC (R102) ist auf Rechtsanschlag zu stellen. Den Regler R102 so einstellen, daß er kurz vor dem Punkt steht, an dem der Messwert an TPE9 absinkt.
HOCHSPANNUNG 1. TV einschalten. 2. Die Regler wie folgt einstellen: Helligkeit minimum Kontrast minimum Grundhelligkeitsregler . minimum	Die Hochspannung darf bei 25.0 kV eine Toleranz von + 1.5 kV und - 1.5 kV haben. Anmerkung: Falls die Hochspannung außerhalb der Toleranz liegt, bitte bei minimaler Helligkeit, Kontrast und Farbsättigung prüfen, ob sie innerhalb der Toleranz ist.
VIDEOTEXT-CLOCK-OSZILLATOR 1. TV einschalten und Betriebsspannung +B prüfen. 2. Frequenzzähler an TPT6 anschließen. 3. TPT5 auf Masse klemmen.	1. C3528 einstellen, Ablesung des Zählers: 6.01 MHz ± 200 Hz.

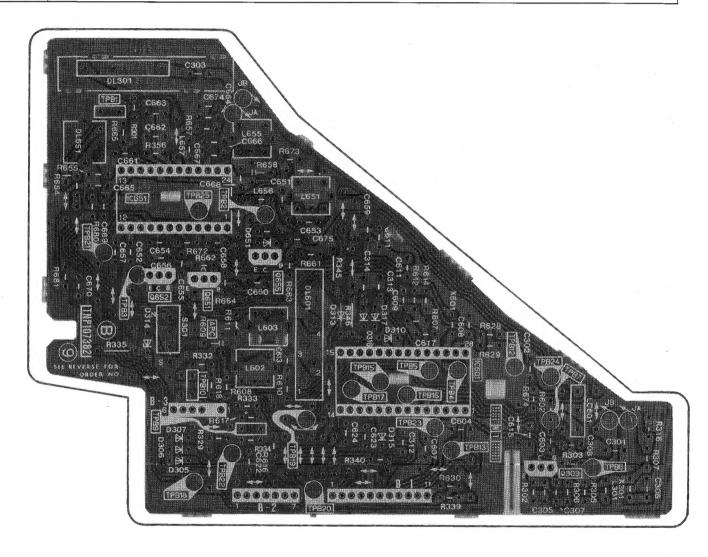
ITEM/PREPARATION	ADJUSTMENT PROCEDURE	WAVEFORM
SUB CONTRAST 1. Receive a colour bar pattern (Philips). 2. Connect an oscilloscope to TPE15. 3. Set controls: Brightminimum Contrastmaximum Colourminimum Picturecentre	 Adjust Sub-Bright (R321) for 1.5 V higher than black level. Connect link between TPE7 and earth. Adjust sub-contrast (R317) for 2.8 V p-p. Remove link from TPE7. 	(Adjust by R321) 1.5 V 2.8 V o - p±0.1 V (Adjust by R317) Fig. 6
PAL APC 1. Receive a PAL colour bar pattern. 2. Connect jumper between TPE4 and TPE5, TPB13 and TPB15. 3. Connect oscilloscope to TPE9.	1. Adjust APC trimmer (C610) to obtain stationary or slowly moving colour bars as Fig. 7. 2. Remove link and confirm colour bars are stationary.	Adjust this level to zero 0
 PAL DELAY LINE Receive a PAL colour bar pattern. Connect a 100Ω resistor across TPB6 and ground. Connect an oscilloscope to TPB9. 	Adjust DL Adj. (R609) and DL Matching Trans. (L602, L603) to obtain waveform at TBP9 as shown in Fig. 8.	Minimize the differences (by L602, L603) Adjust this level to zero (by R609) Fig. 8
SUB COLOUR 1. Receive a PAL colour bar pattern. 2. Set controls:	1. Set colour DAC to centre. 2. Adjust sub colour (R606). For 2.0 V pp ± 0.1 V at TPE15 as shown in Fig. 9.	TPE15 2.0 V pp ± 0.1 V Fig. 9
TELETEXT CONTRAST Note: Before this adjustment is attempted, white balance adjustment must be finished. 1. Receive a teletext signal. 2. Connect an oscilloscope to TPY1. 3. Set controls: bright minimum contrast maximum	Adjust R3514 to obtain the waveform as shown in Fig. 10.	110 V ± 5 V Fig. 10



CONDUCTOR VIEW B-BOARD TNP 107382AC

ANSICHT DER LEITERBAHNEN PLATINE B TNP 107382AC

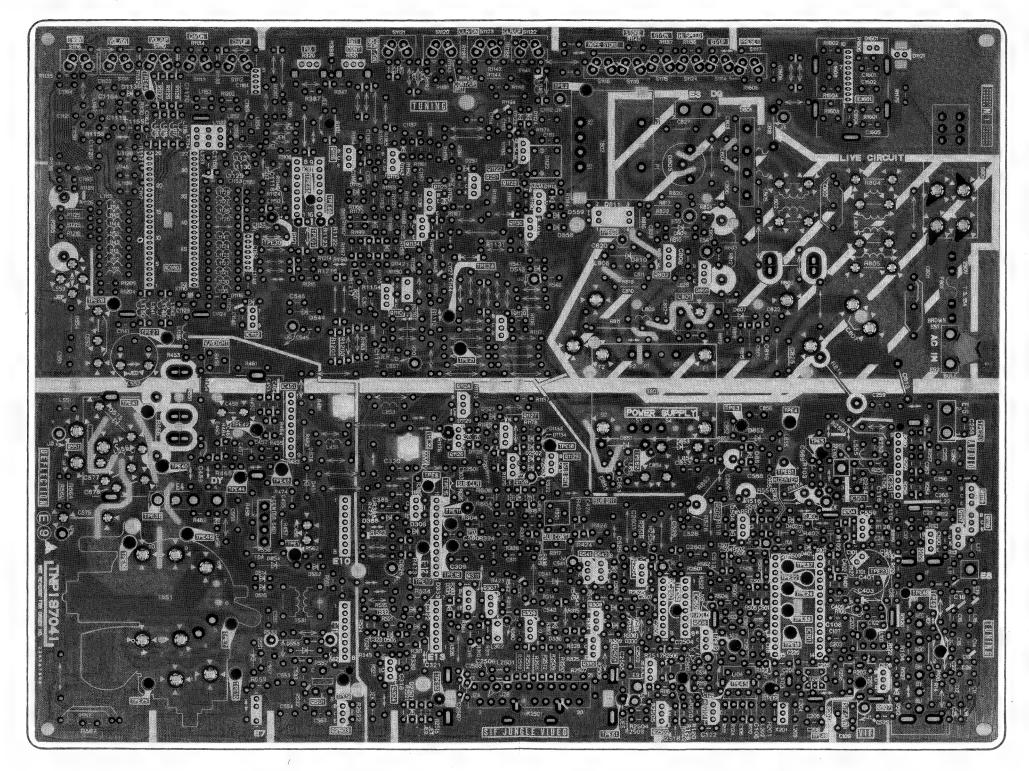
I.C.			IC651					IC601				
TRANSISTOR		Qé	852 Q651	Q655						Q 303		
DIODES		D3	14 D307 D306 D305	D651		D313 D316	D317				-	
TEST POINTS	TPB1 TPB21	трв3	TPB25	TPB2 TPB9 TPB22	TPB19 TPB20	TPE TPB17	115 TPB16	TPB5 TPB4 TPB23 TPB13	TPB12	TPB24 TPB7	TPB6	



PLATINE E TNP 197041AF

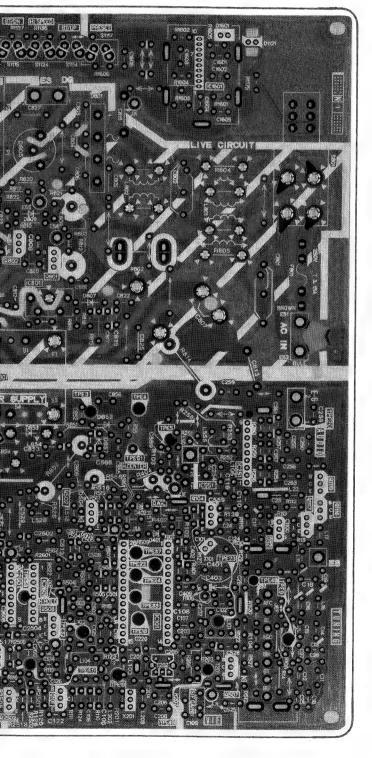
E-BOARD TNP 197041AF

I.C.'s			IC1110	IC111		IC1111	***************************************							IC801	·····		IC1601		144.7
1.0. 8				iciti	IC45	1		IC7	0					IC2601	<u> </u>	IC101	IC551	IC251	
TRANSISTORS	Q551						Q1116 Q1117 Q2503	Q1116 Q1110	Q1125 Q25 Q1134 Q1124 Q1126 Q311	51 Q1120	01122 01123 01130 01128 011	Q541	8	Q802 Q801 Q2504 Q2501 Q2502 Q101			Q104		Q1119 1121 Q1117 Q1118
DIODES		D1136 D575		D1116 D551	0 0854 0514 0515	D451 D552	D3	D1142 [85 [606 [D1125 D309 D333 D332 D335 D1129 D2501	D1127 D1128	D1113 D558 D1133D559 D1134 D2502 D33	3	D811 D810 D851 D508 D330 D331	D809 D853	D801 D807 D852	D401		D1601 D112 D512	21
TEST POINTS				TPE10	TPE1		TPE12		TPE15 TPE17 TPE16			TPE2			TPE3 TPE4	ΤÞ	Ē5		



PLATINE E TNP 197041AF

IC801		10	C1601		
C2601		IC101	IC551	IC25	1
Q802 Q801 2504 2501 Q2502 Q101			Q104	Q507	Q1119 Q1121 Q1117 Q1118
D809 D853	D801 D807 D852	D401		D51:	
	TPE3 TPE4	TPE5			



SCHEMATIC DIAGRAM FOR MODEL TC-1785DRS (Z3T Chassis)

ZEICHENERKLÄRUNG FÜR MODELL TC-1785DRS (Z3T Chassis)

Important Safety Notice

Components identified by Δ mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.

Wichtiger Sicherheitsinweis

Teile, die mit einen Hinweis 🛆 gekennzeichnet sind, sind wichtig für die Sicherheit. Sollte ein Auswechseln erforderlich sein, sind unbedingt Originalteile einzusetzen.

NOTES:

1. RESISTOR

All resistors are carbon 1/4W resistor, unless marked as

Unit of resistance is OHM (Ω) (K = 1,000, M = 1,000,000).

O: Nonflammable

☑ : Metal Oxide

: Metal Film

☐: Wire Wound

③ : Fuse

2. CAPACITOR

All capacitors are ceramic 50 V capacitor, unless marked as

Unit of capacitance is μF , unless otherwise noted.

Compensation *#" : Electrolytic : Bipolar

M : Polyesterm : Metalized Poly☑ : Polypropylene : Metalized Polyester

: Dipped Tantalum : Z-Type

3. COIL

Unit of inductance is µH, unless otherwise noted.

- 4. Components marked "" on the schematic diagram shows lead-less parts.
- 5. TEST POINT

Q: Test Point position

6. EARTH SYMBOL

ሐ: Chassis Earth (Cold)

上: Line Earth (Hot)

7. VOLTAGE MEASUREMENT

Voltage is measured by a DC voltmeter.

Conditions of the measurement are the following:

Receiving Signal Colour Bar signal (RF) All the other customer's controls.....maximum

- 8. : Indicates the major signal flow.
- 9. This schematic diagram is the latest at the time of printing and subject to change without notice.

REMARKS:

1. The Power Circuit contains a circuit area which uses a separate power supply to isolate the earth connection. The circuit is defined by HOT and COLD indications in the schematic diagram. Take the following precautions. All circuits, except the Power Circuit, are cold.

- a. Do not touch the hot part or the hot and cold parts at the same time as you are liable to a shock hazard.
- b. Do not short-circuit the hot and cold circuits as electrical components may be damaged.
- c. Do not connect an instrument, such as an oscilloscope, to the hot and cold circuits simultaneously, as this may cause fuse failure. Connect the earth of instruments to the earth connection of the circuit being measured.
- d. Make sure to disconnect the power plug before removing the

ANMERKUNG:

1. WIDERSTÄNDE

Alle 1/4 Watt Widerstände sind Kohlewiderstände, Abweichungen sind wie folgt gekennzeichnet:

Die Maßeinheit ist OHM (Ω) (K = 1,000, M = 1,000,000).

o : Nicht brennbar.

O : Metall Film

 Δ : Lastwiderstand ☑: Draht

(X): Sicherung

2. KONDENSATOREN

Alle Kondensatoren sind Keramikausfürungen.

Spannungsfestigkeit 50 V, Abweichungen sind wie folgt gekennzeichnet.

Die Maßeinheit ist µF, wenn keine anderen Bezeichnungen genannt sind.

(X): Temperatur Kompensation

*# : Elektrolyt #் : Bipolar : Tantal 🗷 : Z-Typ

: Metallisches Polyester

3. SPULEN

M: Polyester

Die Maßeinheit ist µH, Abweichungen sind gekennzeichnet.

- 4. Mit "(L)" gekennzeichnete Teile sind ohne Anschlußdrähte.
- 5. TESTPUNKTE
- : Kennzeichnung der Testpunktposition.
- 6. MASSESYMBOL
- 計: Erdung am Chassis (kalt)

Masse-Leitung

7. SPANNUNGSMESSUNG

Spannungsmessungen sind mit einem DC-Voltmeter durchzuführen.

Die Meßbedingungen sind folgende:

Wiedergabe Signal Farbbalken-Testbild Alle übrigen Einstellungen für Benutzer Sollangaben

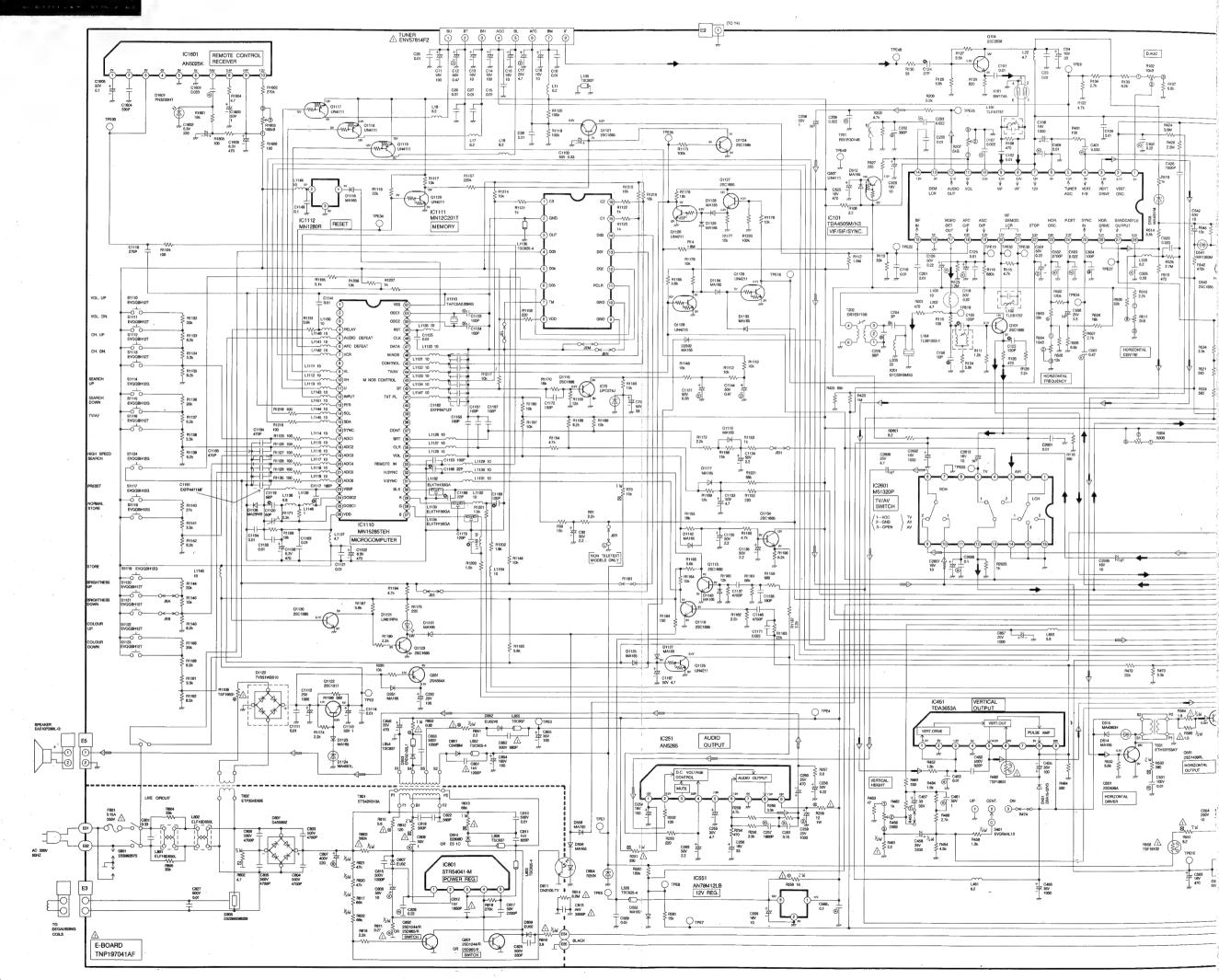
- 8. : Kennzeichnung zur Signalverfolgung.
- 9. Anderungen im Laufe der Fertigung sind möglich.

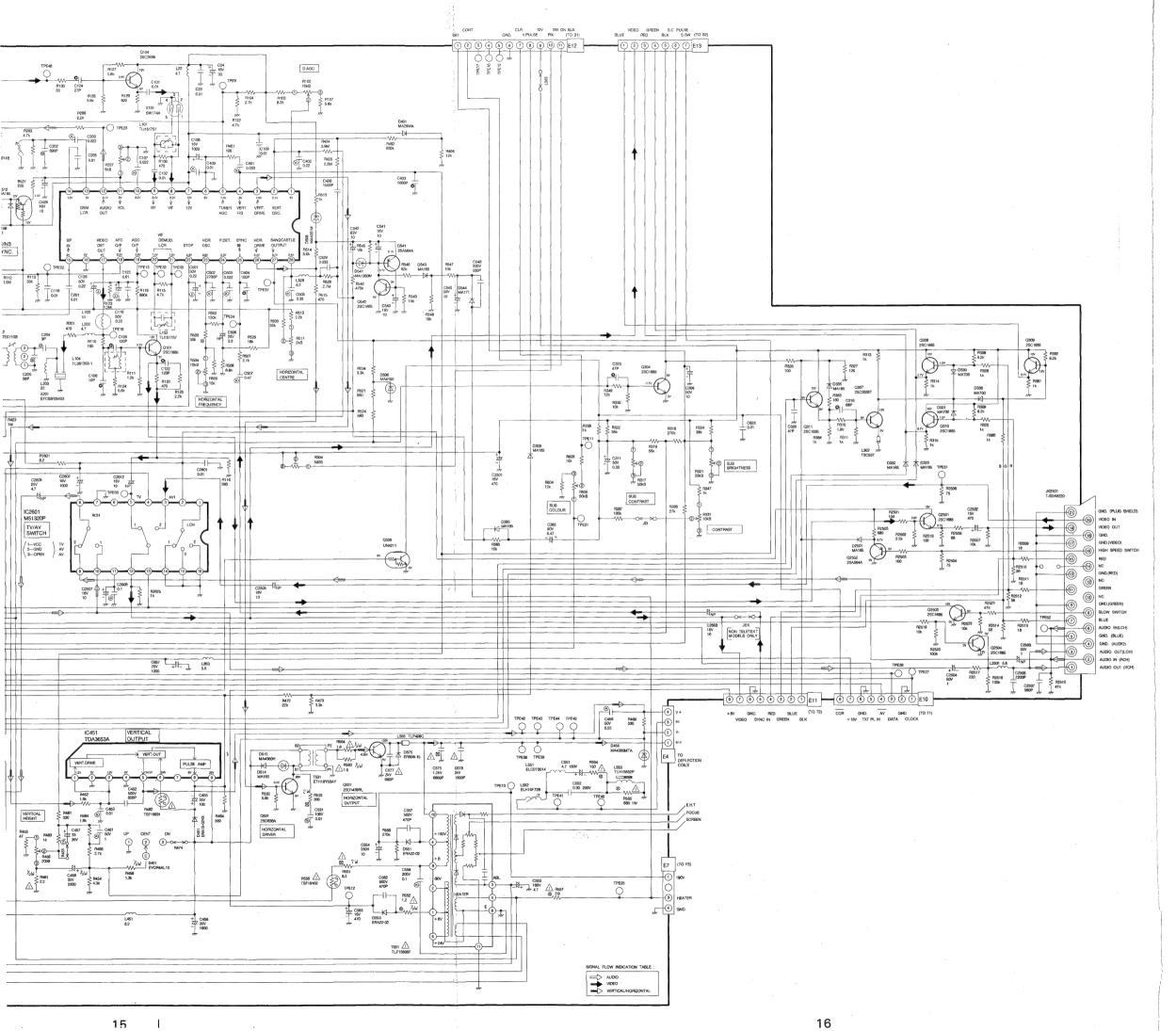
BEMERKUNGEN:

1. Die Starkstromkreis enthält eine Gruppe der Stromkreise die gesonderte Stromquelle bzw. Masse haben. Die Stromkreise sind im Schaltplan mit "HOT" (heiß) und "COLD" (kalt) gekennzeichnet. Folgende Vorsichtsmaßregein treffen. Alle Stromkreise außer der Starkstromkreis sind kalt.

Vorsichtsmaßregeln

- a. Weder die Leitung im heißen Bereich noch gleichzeitig die Leitungen im heißen und im kalten Bereich berühren. Sonst besteht die Gefahr des elektrischen Schlags.
- b. Keinesfalls die Leitungen im heißen bzw. im kalten. Bereich miteinander kutzschließen. Sonst kann eine Sicherung durchbrennen und die Komponente können beschädigt werden.
- c. Kein Instrument, z.B. ein Oszilloskop, gleichzeitig an der Leitungen im heißen bzw. kalten Bereich anschließen. Sonst kann eine Sicherung durchbrennen. Die Erde des instruments mit der des zu Prüfenden Schaltkreises verbinden.
- d. Vor dem Ausbau des Gehäuses sich vergewissern, daß der Netzstecker ausgezogen ist.

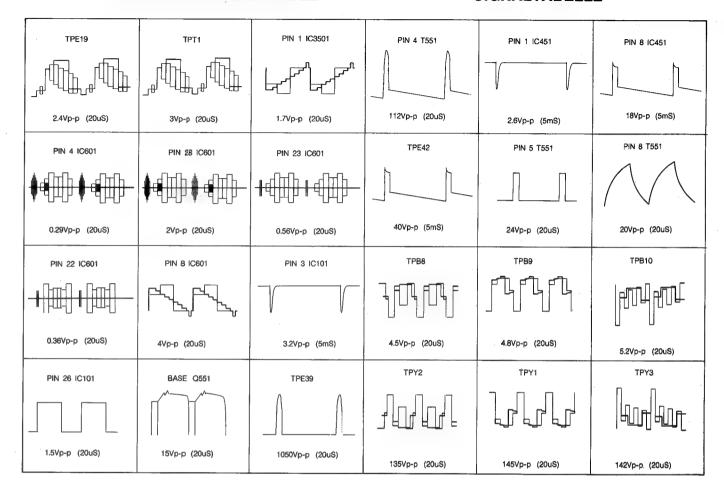


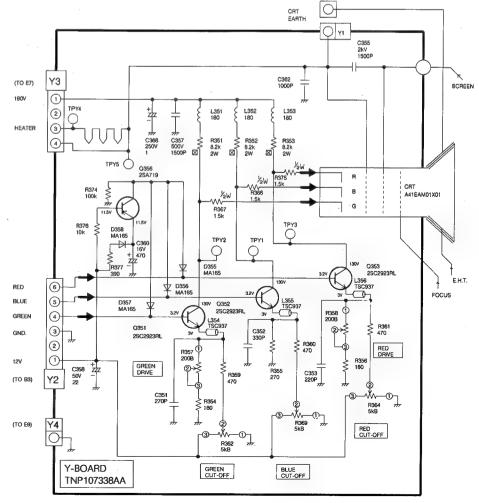


B-BOARD TNP107382AC IDENT TDA3590A C657 1000P DL ADJUST PROP , R332 ≤ R334 10k ≤ 10k ВЗ (то үз) VIDEO/ CHROMA IC601 TDA3562A B2 0 0 0 0 0 0 0 S-SWITCH BLK. RED IN BLUE IN SAND. GREEN VIDEO PULSE IN

WAVEFORM PATTERN TABLE

SIGNALTABELLE



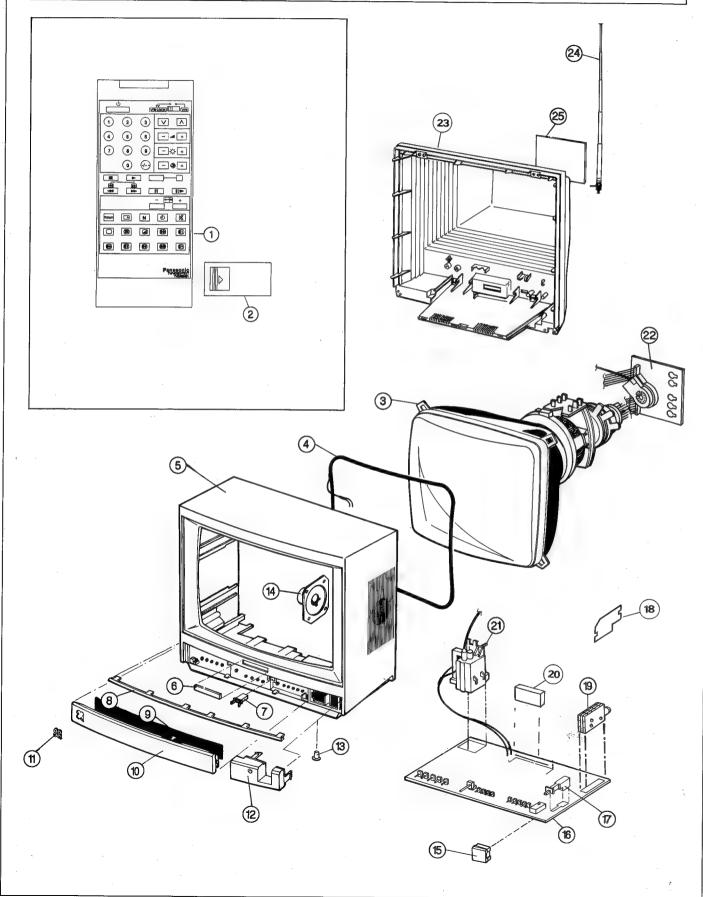


PARTS LOCATION

NOTE: The number on mechanical parts indicates Ref. No. of Replacement Parts List.

EXPLOSIONSZEICHNUNG

ANMERKUNG: Die Number auf den mechanism Teilen zeigt die Bezugsnummer der Ersatzteilliste an.



Important Safety Notice

REPLACEMENTS PARTS LIST

Components					
characteristic	s importan	t for sa	fety. W	/hen re	placing
any of these specified part		ts, use	only n	nanufa	cturer's
specifica part	.3.				

Part No. Description MISCELLANEOUS COMPONENTS TNQ8E0421 TEG37559-6 A41EAM01X01 REMOTE CONTROL 2) 3) A BATTERY COVER C.R.T. DEGAUSSING COIL TLK8E05107 5) **(**3) (6) (7) (8) TKY181500 CABINET TBM173035 PANASONIC BADGE TEK17918 TKR27710 LID SWITCH SILVER TRIM PRESET LABEL CONTROL PANEL LID QUINTRIX BADGE TBM120632-2 TKP1810531 11) TBM17461 12) 13) 14) TKP1810541 SMOKED PANEL A2051 EAS10P299L-G SET FEET SPEAKER 14) 15) 16) Δ 17) Δ 18) Δ 19) Δ 20) TBX1888300 POWER BUTTON TNP197041AF E PCB ESB99267S ON OFF SWITCH TNP107382AC ENV57814F2 TUNER J2501 21 PIN TERMINAL F. B Transformer TJS2A9220 TLF15606F TNP107338AA Y PCB TKU529201 REAR COVER 24) MONO POLE AERIAL REAR COVER LABEL TSA110004-1 TBM120807 TKK188502 TPC1850305 ANTENNA COVER OUTER CARTON CUSHION (TOP) CUSHION (BOTTOM) TPD191467 TPD192469 TQB8E0432 INSTRUCTION BOOK TSX3183-1 POWER LEAD 520-001 195-3,15 FUSE HOLDER FUSE LUMINANCE DELAY LINE CHROMA DELAY LINE SECAM DELAY LINE DL301 TLK150890E DL601 SDL145D DL 651 ELT10Z251

CAPACITORS

C11	ECEA1EU101	ELECTROLYTIC	25V	10001
C12	ECEA50ZR47	ELECTROLYTIC	50V	0.47UF
C13	ECEA1CU100	ELECTROLYTIC	16V	1006
C14	ECEA1EU101	ELECTROLYTIC	25V	100UF
C15	ECKC1H103JB	CERAMIC 50V		10NF
C16	ECEA1CU100	ELECTROLYTIC	16V	10UF
C17	ECEA25Z4R7	ELECTROLYTIC	25V	4.7UF
C18	ECEA1CU100	ELECTROLYTIC	16V	10UF
C19	ECKC1H103JB	CERAMIC 50V		10NF
C23	ECKC1H103JB	CERAMIC 50V		10NF
C24	ECEA1CU330	ELECTROLYTIC	16V	33UF
C25	ECKC1H103JB	CERAMIC 50V		10NF
C26	ECKC1H103JB	CERAMIC 50V		10NF
C27	ECKC1H103JB	CERAMIC 50V		10NF
C28	ECKC1H103JB	CERAMIC 50V		10NF
C30	ECEA1HU2R2	ELECTROLYTIC	50 V	2. 2UF
C70	ECEA1HU330	ELECTROLYTIC	50 V	33UF
C101	ECKC1H103JB	CERAMIC 50V		10NF
C102	ECKC1H103JB	CERAMIC 50V		10NF
C105	ECCR1H121J	CERAMIC 50V		120PF
C106	ECCR1H100J	CERAMIC 50V		10PF
C107	ECQM1H223JZ	PLASTIC FILM	50V	22NF
C108	ECEA1CU102	ELECTROLYTIC	16V	1000UF
C109	ECKC1H103JB	CERAMIC 50V		10NF
C116	ECKC1H103JB	CERAMIC 50V		10NF
C118	ECEA50ZR47	ELECTROLYTIC	50V	0.47UF
C122	ECCR1H121J	CERAMIC 50V		120PF
C124	ECCR1H270J	CERAMIC 50V		27PF
C128	ECKC1H103JB	CERAMIC 50V		10NF
C201	ECKC1H103JB	CERAMIC 50V		10NF

ERSATZTEILLISTE

Wichtiger Sicherheitshinwels

Teile, die mit einen Hinweis ▲ gekennzeichnet sind, sind wichtig für die Sicherheit. Sollte ein Auswechseln erforderlich sein, sind unbedingt Originalteile einzusetzen.

Ref No	. Part No.	Description	
C202	ECCR1H391J	CERAMIC 50V	390P
C203 C204	ECQM1H223JZ ECCR1H030J	PLASTIC FILM 50V	22N
C205	ECKC1H103JB	CERAMIC 50V CERAMIC 50V	3 0 P 1 0 N
C206	ECQM1H223JZ	PLASTIC FILM 50V	22N
C208	ECEA1HN010	ELECTROLYTIC 50V	10
C220	ECCR1H560J	CERAMIC 50V	56P
C254	ECEA1EU101	ELECTROLYTIC 25V	1000
C255 C256	ECEA1VU4R7 ECEA1CU330	ELECTROLYTIC 35V ELECTROLYTIC 16V	4.70
C257	ECQM1H182JZ	ELECTROLYTIC 16V PLASTIC FILM 50V	33UI 1.8NI
C258	ECEA50ZR22	ELECTROLYTIC 50V	0. 220
C259	ECEA1EU102	ELECTROLYTIC 25V	10000
C260	ECEA1EU471	ELECTROLYTIC 25V	4:7 0 U
C261 C262	ECQV1H154JZ	PLASTIC FILM 50V	150N
C263	ECEA1EU101 ECEA1HU2R2	ELECTROLYTIC 25V ELECTROLYTIC 50V	2.20
C301	ECEA1CU471	ELECTROLYTIC 16V	470Ui
C302	ECKC1H103JB	CERAMIC 50V	10NF
C303	ECEA1CN220	ELECTROLYTIC 16V	2206
C305	ECKC1H561J	CERAMIC 50V	560PF
C306	ECCR1H221J	CERAMIC 50V	220PF
C307	ECCR1H221J ECKC1H103JB	CERAMIC 50V	220PF
C309	ECEATHU100	CERAMIC 50V	1 0 N F
C311	ECEATHU3R3	ELECTROLYTIC 50V ELECTROLYTIC 50V	10UF 3.3UF
C312	ECQV1H224JZ	PLASTIC FILM 50V	220NF
C313	ECQV1H224JZ	PLASTIC FILM 50V	2 2 0 N F
C314	ECQV1H224JZ	PLASTIC FILM 50V	220NF
C316	ECCR1H680J	CERAMIC 50V	68PF
C320 C323	ECCR1H470J ECCR1H470J	CERAMIC 50V	47PF
C351	ECCRIH4703	CERAMIC 50V CERAMIC 50V	47PF 270PF
C352	ECCR1H331J	CERAMIC 50V	330PF
C353	ECCR1H221J	CERAMIC 50V	220PF
C355	ECKC3D152J	CERAMIC 2, OKV A	1.5NF
C357	ECKC2H152J	CERAMIC 500V	1.5NF
C358 C360	ECEA1HU220	ELECTROLYTIC 50V	22UF
C362	ECEA1CU471 ECKC1H102J	ELECTROLYTIC 16V CERAMIC 50V	470UF
C368	ECEA2EU010	ELECTROLYTIC 250V	1. ONF 1UF
C385	ECEA50ZR47	ELECTROLYTIC 50V	0.47UF
C401	ECQM1H333JZ	PLASTIC FILM 50V	33NF
C402	ECQV1H224JZ	PLASTIC FILM 50V	220NF
C403 C404	ECKC1H102J	CERAMIC 50V	1NF
C404	ECKC1H222JB ECQM1H103KZ	CERAMIC 50V PLASTIC FILM 50V	2. 2NF
C426	ECKC1H152J	CERAMIC 50V	10NF 1.5NF
C452	ECKC2H821J	CERAMIC 500V	820PF
C453	ECKC1H103JB	CERAMIC 50V	10NF
C455	ECEA1VU101	ELECTROLYTIC 35V	100UF
C456 C457	ECEA1VU102	ELECTROLYTIC 35V	1000UF
0457 0458	ECEA1EFS330 ECEA1VU222	ELECTROLYTIC 25V	300UF
C459	ECQV1H224JZ	ELECTROLYTIC 35V PLASTIC FILM 50V	2200UF
C461	ECQV1H105JZ	PLASTIC FILM 50V	220NF 1UF
2501	ECEA50ZR22	ELECTROLYTIC 50V	0. 22UF
C502	ECQM1272GZ	PLASTIC FILM 100V	2.7nf
C503	ECQM1H223JZ	PLASTIC FILM 50V	22NF
C504 C505	ECCR1H101J	CERAMIC 50V	100PF
C506	ECQV1H334JZ ECEA1EN3R3	PLASTIC FILM 50V	330NF
2507	ECQV1H474JZ	ELECTROLYTIC 25V PLASTIC FILM 50V	3.3UF
525	ECEA1CU471	ELECTROLYTIC 16V	470NF 470UF
528	ECEA1CU100	ELECTROLYTIC 16V	10UF
	ECQV1H333JZ	PLASTIC FILM 50V	33NF
C529		PLASTIC FILM 100V	10NF
C531	ECQM1103KZ		
C531 C541	ECEA1CU100	ELECTROLYTIC 16V	10UF
531 541 542	ECEA1CU100 ECEA1JU100	ELECTROLYTIC 16V ELECTROLYTIC 63V	10UF
2531 2541 2542 2543	ECEA1CU100 ECEA1JU100 ECEA1CU100	ELECTROLYTIC 16V ELECTROLYTIC 63V ELECTROLYTIC 16V	1 0 U F 1 0 U F
0531 0541 0542 0543 0545	ECEA1CU100 ECEA1JU100 ECEA1CU100 ECEA1HU100	ELECTROLYTIC 16V ELECTROLYTIC 63V ELECTROLYTIC 16V ELECTROLYTIC 50V	10UF 10UF 10UF
0531 0541 0542 0543 0545	ECEA1CU100 ECEA1JU100 ECEA1CU100	ELECTROLYTIC 16V ELECTROLYTIC 63V ELECTROLYTIC 16V ELECTROLYTIC 50V CERAMIC 500V	10UF 10UF 10UF 330PF
2531 2541 2542 2543 2545 2546 2551	ECEA1CU100 ECEA1U100 ECEA1CU100 ECEA1HU100 ECKC2H331J ECEA2CS4R7 ECWF2H304J	ELECTROLYTIC 16V ELECTROLYTIC 63V ELECTROLYTIC 16V ELECTROLYTIC 50V CERAMIC 500V ELECTROLYTIC 160V CAPACITOR 500V	10UF 10UF 10UF
2531	ECEA1CU100 ECEA1JU100 ECEA1CU100 ECEA1HU100 ECKC2H331J ECEA2CS4R7	ELECTROLYTIC 16V ELECTROLYTIC 63V ELECTROLYTIC 16V ELECTROLYTIC 50V CERAMIC 500V ELECTROLYTIC 160V	10UF 10UF 10UF 330PF 4.7UF

Ref No.	Part No.	Description
C557	ECKC2H471J	CERAMIC 500V 470P
C558 C559	ECQM2104KZ ECEA1CU100	PLASTIC FILM 200V 100NF ELECTROLYTIC 16V 10UF
C562	ECKC2H471J	CERAMIC 500V 470P
C563	ECEA1CU471	ELECTROLYTIC 16V 470U
C568	ECQV1H104JZ	PLASTIC FILM 50V 100NF
C569 C575	ECKC1H103JB ECWH12H682J	CERAMIC 50V 10NF CAPACITOR 500V 6.8nf
C577	ECKC3D681J	CERAMIC 2. OKV A 680PF
C578	ECKC3D152J	CERAMIC 2.0KV A 1.5NF
C603	ECKC1H103JB	CERAMIC 50V 10NF
C604 C607	ECEA50ZR33 ECEA1HU010	ELECTROLYTIC 50V 0.33UF ELECTROLYTIC 50V 1UF
2608	ECQV1H474JZ	PLASTIC FILM 50V 470NF
2609	ECQV1H474JZ	PLASTIC FILM 50V 470NF
2610	ECRHA030E11	TRIMMER CAPACITOR 30PF
0611 0613	ECCR1H101J ECKC1H103JB	CERAMIC 50V 100PF CERAMIC 50V 10NF
2615	ECEA1VU4R7	ELECTROLYTIC 35V 4.7UF
2617	ECEA1HN2R2	ELECTROLYTIC 50V 2.2UF
0622	ECQV1H334JZ	PLASTIC FILM 50V 330NF
2623	ECQV1H334JZ	PLASTIC FILM 50V 330NF
C624 C626	ECQV1H334JZ ECKC1H103JB	PLASTIC FILM 50V 330NF CERAMIC 50V 10NF
2651	ECQV1H104JZ	PLASTIC FILM 50V 100NF
652	ECKC1H103JB	CERAMIC 50V 10NF
653	ECCR1H391J	CERAMIC 50V 390PF
C654	ECCR1H101J	CERAMIC 50V 100PF
2655 2656	ECQV1H104JZ ECKC1H102J	PLASTIC FILM 50V 100NF CERAMIC 50V 1NF
657	ECKC1H102J	CERAMIC 50V 1NF
658	ECEA1HU010	ELECTROLYTIC 50V 1UF
659	ECKC1H392J	CERAMIC 50V 3.9NF
0660 0661	ECEA50ZR1 ECQM1H223JZ	ELECTROLYTIC 50V 1UF PLASTIC FILM 50V 22NF
2662	ECEA1CU100	ELECTROLYTIC 16V 10UF
663	ECEA1HU010	ELECTROLYTIC 50V 1UF
664	ECKC1H561J	CERAMIC 50V 560PF
0665	ECCR1H560J	CERAMIC 50V 56PF
2666 2667	ECQV1H104JZ	PLASTIC FILM 50V 100NF
2668	ECQV1H104JZ ECCR1H181J	PLASTIC FILM 50V 100NF CERAMIC 50V 180PF
2669	ECKC1H221J	CERAMIC 50V 220PF
670	ECKC1H221J	CERAMIC 50V 220PI
2674	ECCR1H330J	CERAMIC 50V 33P
0675 0801	ECEA1HU3R3 ECQM2A334MW	PLASTIC FILM 100V 330NF
2803	ECKC2H472J	CERAMIC 500V 4.7N
2804	ECKC2H472J	CERAMIC 500V 4.7Nf
0805	ECKC2H472J	CERAMIC 500V 4.7Nf
0806 0807	ECKC2H472J ECES2GU221	CERAMIC 500V 4.7NF ELECTROLYTIC 400V 220UF
2808	ECEA1HFS100	ELECTROLYTIC 50V 10U
809	ECQV1H105JZ	PLASTIC FILM 50V 1U
810	ECKC2H103J	CERAMIC 500V 10N
2811 2812	ECKC3A821J ECKC3A182J	CERAMIC 1.0KV A 820PF CERAMIC 1.0KV A 1.8NF
2813	ECKCNS332J	CERAMIC 1.0KV 1.8NF
815	ECKC2H122J	CERAMIC 500V 1.2N
817	ECKC1H222J	CERAMIC 50V 2.2N
0819 0822	ECKC1H561J ECKC1H561J	CERAMIC 50V 560PF
822	ECKC2H331J	CERAMIC 50V 560PF CERAMIC 500V 330PF
827	ECKC2H103J	CERAMIC 500V 10NE
828	ECQV1H224JZ	PLASTIC FILM 50V 220NF
851	ECKC3A122J	CERAMIC 1. OKV A 1. 2N
852	ECKC2H681J ECKC2H102J	CERAMIC 500V 680PF CERAMIC 500V 1NF
854	ECEA2CS101	ELECTROLYTIC 160V 100UF
855	ECEATVGE101	ELECTROLYTIC 35V 100UF
856	ECEA1EGE471	ELECTROLYTIC 25V 470UY
857	ECEA1EU102 ECEA50ZR33	ELECTROLYTIC 25V 1000UF
1100	ECKC1H103JB	CERAMIC 50V 0.33UF
1112	ECEA1EU471	ELECTROLYTIC 25V 470UF
1113	ECEA1HU010	ELECTROLYTIC 50V 1UF
1114	ECKC1H103JB	CERAMIC 50V 10NF
1117	ECCR1H181J ECKC1H271J	CERAMIC 50V 180PF CERAMIC 50V 270PF
1119	ECCR1H680J	CERAMIC 50V 270FF
1120	ECRHA060G11	TRIMMER CAPACITOR 60PF
1121	ECKC1H103JB	CERAMIC 50V 10NF
01122 01123	ECEA0JU471	ELECTROLYTIC 6.3V 470UF
21123	ECCR1H101J ECCR1H101J	CERAMIC 50V 100PF CERAMIC 50V 100PF
1125	ECKC1H103JB	CERAMIC 50V 100F
1127	ECEA50ZR33	ELECTROLYTIC 50V 0.33UF
1133	ECEA1HU4R7	ELECTROLYTIC 50V 4.7UF
1134	ECEA1HU2R2	ELECTROLYTIC 50V 2.2UF
1135	ECEA1HU2R2	ELECTROLYTIC 50V 2.2UF

Ref No.	Part No.	Description	
C1137 C1138 C1141 C1144 C1144 C1149 C1150 C1151 C1155 C1156 C1157 C1163 C1164 C1163 C1164 C1163 C1164 C1163 C1164 C1165 C1166 C1167 C1168 C1160 C1170 C1171 C1172 C1601 C1603 C1604 C1605 C1603 C1604 C1605 C1603 C2504 C2505 C2507 C2601 C2502 C2503 C2504 C2506 C2507 C2601 C2603 C2607 C2608 C2609 C2609 C2609	ECKC1H472J ECKC1H181J ECKC1H181J ECKC1H103JB ECEA50ZR47 ECKC1H472J ECKC1H101J ECKC1H101J ECKC1H103JB ERD25TJ103 ECEA0JU471 ECKC1H103JB ERD25TJ103 ECEA0JU471 ECKC1H103JB ECKC1H103JB ECKC1H471J ECKC1H471J ECKC1H471J ECKC1H471J ECCR1H220J ECEA1HU4R7 ECCR1H121J ECCR1H103JZ ECEA1CU471	CERAMIC 50V CERAMIC 50V CERAMIC 50V ELECTROLYTIC 50V CERAMIC 50V PLASTIC FILM 50V CERAMIC 50V CERAMIC 50V CERAMIC 50V CERAMIC 50V CERAMIC 50V CERAMIC 50V CARBON 0.25W 5% ELECTROLYTIC 6.3V CERAMIC 50V NETWORK COMPONENT NETWORK COMPONENT CERAMIC 50V CELECTROLYTIC 6.3V ELECTROLYTIC 6.3V CELECTROLYTIC 16V CECAMIC 50V CERAMIC 50V CER	4.7NF 180PF 0.47NF 100PF 100PF 100PF 100PF 100PF 100PF 100PF 470PF 100PF 470PF 120PF
DIOD 251 D305 D306 D307 D309 D310 D313 D314 D315 D316 D317 D330 D331 D332 D333 D335 D336 D355 D356 D357 D356 D357 D358 D357 D358 D512 D514 D515 D541 D543 D544 D515 D541 D552 D553 D558 D559 D575	MA165TA5 MA165TA5 MA165TA5 MA165TA5 MA165TA5 MA165TA5 MA165TA5 MA27TA5 MA4030 MA165TA5 MA165TA5 MA700TA5 MA700TA5 MA165TA5 MA700TA5 MA165TA5 MA700TA5 MA165TA5	DIODE	

2266296009 02 02 03 05 05 05 05 05 05 05 05 05 05	DIODE	
D2 SB2808D 3105.TV SC2408M D2 D32-02L7 SSR2KL 165TA5 165TA5 165TA5 165TA5 165TA5 165TA5	DIODE	
SB2808D 3105.TV SC2408M 02 D32-02L7 SSR2KL 165TA5 165TA5 165TA5 165TA5 81RPHL SS1WBS10 165TA5	DIODE OPTOCOUPLER DIODE	
3105.TV SC2408M 02 032-02L7 SSR2KL 165TA5 165TA5 165TA5 165TA5 81RPHL SS1WBS10 165TA5 4051	OPTOCOUPLER DIODE	
SC2408M 02 032-02L7 SSR2KL 165TA5 165TA5 165TA5 165TA5 81RPHL SS1WBS10 165TA5	DIODE	
02 032-02L7 SSR2KL 165TA5 165TA5 165TA5 165TA5 81RPHL SS1WBS10 165TA5	DIODE	
D32-02L7 SSR2KL 165TA5 165TA5 165TA5 165TA5 81RPHL SS1WBS10 165TA5	DIODE DIODE DIODE DIODE DIODE DIODE DIODE DIODE	
SSR2KL 165TA5 165TA5 165TA5 165TA5 81RPHL SSWBS10 165TA5 4051	DIODE DIODE DIODE DIODE DIODE DIODE DIODE DIODE	
165TA5 165TA5 165TA5 165TA5 81RPHL 8S1WBS10 165TA5 4051	DIODE DIODE DIODE DIODE DIODE DIODE DIODE	
165TA5 165TA5 165TA5 81RPHL SS1WBS10 165TA5 4051	DIODE DIODE DIODE DIODE DIODE DIODE	
165TA5 165TA5 81RPHL SS1WBS10 165TA5 4051	DIODE DIODE DIODE DIODE DIODE	
165TA5 81RPHL SS1WBS10 165TA5 4051	DIODE DIODE DIODE DIODE	
81RPHL SS1WBS10 165TA5 4051	DIODE DIODE DIODE	
SS1WBS10 165TA5 4051	DIODE DIODE	
165TA5 4051	DIODE	
4051		
	DIODE	
165TA5		
100170	DIODE	
165TA5	DIODE	
29TA5	DIODE	
165TA5	DIODE	
165TA5	DIODE	
323BHT	DIODE	
165TA5	DIODE	
165TA5	DIODE	
	165TA5 165TA5 29TA5 165TA5 165TA5 323BHT 165TA5	165TA5 DIODE 165TA5 DIODE 29TA5 DIODE 165TA5 DIODE 165TA5 DIODE 323BHT DIODE 165TA5 DIODE

1070	UPC574J	REGULATOR
IC101	TDA4505M-N3	VIF/SIF/SYNC I.C.
IC251	AN5265	AUDIO OUTPUT I.C.
IC451	TDA3653A	VERTICAL O/PUT I.C.
IC551	L78M12MRB	12V REGULATOR
IC601	TDA3562A	VIDEO/CHROMA I.C
IC651	TDA3590A	SECAM DECODER I.C.
IC801	STR54041-M	REG. POWER I.C.
IC1110	MN15285TEH	C.P.U I.C.
IC1111	MN12C201T	MEMORY I.C.
IC1112	MN1280R	RESET I.C.
IC1601	AN5025K	REMOTE RECEIVER I.C.
IC2601	M51320P	TV/AV SWITCH

COILS

ı			
Ì	L11	TLT082K991R	COIL
١	L16	TLT082K991R	COIL
ļ	L17	TLT082K991R	COIL
ı	L18	TLT082K991K	COIL
l	L22	TLT047K991R	COIL
١	L101	TLI151757	COIL
ı	L102	TLI151757	COIL
Į	L103	TLT100K166C	COIL
	L104	TLS61353-1	COIL
l	L106	TSC937	CHOKE
	L202	TLT047K991R	COIL
	L203	TLT220K991R	COIL
	L301	TLX330J176C	COIL
ŀ	L302	TSC937	CHOKE
	L351	TLT181K991R	COIL
۱	L352	TLT181K991R	COIL
I	L353	TLT181K991R	COIL
I	L354	TSC937	CHOKE
١	L355	TSC937	CHOKE
ļ	L356	TSC937	CHOKE
Į	L 4 5 1	TLQ082K236B	COIL
ı	L 5 2 8	TLT082K991R	COIL
I	L551	ELC07B014	COIL
١	L552	ELH16F729	COIL
Ì	L553	TLH15652P	TRANSFORMER
	L555	TSC925-4	CHOKE TRANSFORMER
	L556 L602	TLP408C EIK1EG013B	COIL
	L602	TLK158069	COIL
ı	L651	TLK151060	COIL
i	L655	TLK61008-1	COIL
	L656	TLT100K991R	COIL
i	L657	TLT100K991R	COIL
	L801	ELF18D650L	FILTER
ļ	L802	ELF18D650L	FILTER
	L802	TSC925-4	CHOKE
	L806	TSC937	CHOKE
	L852	TSC925-4	CHOKE
	_002		

Ref No.	Part No.	Description	
L853	TLQ056K236B	COIL	
L854	TSC937	CHOKE	
L855	TSC937	CHOKE	
L1111	ELEXT100KA	COIL	
L1112	ELEXT100KA	COIL	
L1113	ELEXT100KA	COIL	
L1114	ELEXT100KA	COIL	***
L1115	ELEXT100KA	COIL	
L1116	ELEXT100KA	COIL	
L1117	ELEXT100KA	COIL	
L1118	ELEXT100KA	COIL	
L1119	ELEXT100KA	COIL	
L1120	ELEXT100KA	COIL	
L1121	ELEXT100KA	COIL	
L1122	ELEXT100KA	COIL	121
L1123	ELEXT100KA	COIL	
L1124	ELEXT100KA	COIL	
L1126	ELEXT100KA	COIL	
L1127	ELEXT100KA	COIL	
L1128	ELEXT100KA	COIL	
L1129	ELEXT100KA	COIL	
L1130	ELEXT100KA	COIL	
L1131	ELEXT100KA	COIL	
L1132	ELKTH150GA	COIL	
L1133	ELKTH150GA	COIL	
L1134	ELKTH150GA	COIL	
L1135	ELEXT100KA	COIL	
L1136	TSC925-4	CHOKE	
L1137	TLT047K991R	COIL	
L1138	TLT068K991R	COIL	
L1139	TLT010K991R	COIL	
L1140	ELEXT100KA	COIL	
L1141	ELEXT100KA	COIL	
L1142	ELEXT100KA	COIL	
L1143	ELEXT100KA	COIL	
L1144	ELEXT100KA	COIL	
L1145	ELEXT100KA	COIL	
L1146	TLT010K991R	COIL	
L1147	ELEXT100KA	COIL	
L1148	ELEXT100KA	COIL	
L1149	TLT100K991R	COIL	
L1150	ELEXT100KA	COIL	
L1151	ELEXT100KA	COIL	
L1152	TLT100K991R	COIL	
L1153	TLT100K991R	COIL	
L1154	TLT100K991R	COIL	
L2501	TLT056K991R	COIL	
LC601	TLK153162E	COIL	

TRANSISTORS

Q101	2SC1685-TA	VIDEO BUFFER
0104	2SC2636-T	VIF AMP
Q251	2SA564-S	POWER ON MUTE
0303	2SC2636-T	PICTURE CONTROL
Q304	2SC1685-TA	BLANKING
Q306	UN4211TA	SWITCH
Q307	2SC2636-T	TRANSISTOR
Q308	2SC1685-TA	TRANSISTOR
Q309	2SC1685-TA	TRANSISTOR
Q310	2SC1685-TA	TRANSISTOR
Q311	2SC1685-TA	TRANSISTOR
Q351	2SC2923-RL	G VIDEO OUTPUT
Q352	2SC2923-RL	B VIDEO OUTPUT
Q353	2SC2923-RL	R VIDEO OUTPUT
Q356	2SA719-TA	CRT DISCHARGE
Q501	2SD836-AL	H. DRIVE
Q507	UN4111TA	SPOT SUPP.
Q541	2SA564-S	TRANSISTOR
Q542	2SC1685-TA	TRANSISTOR
Q551	2SD1439-RL	H. OUTPUT
Q651	2SC1685-TA	CARRIER AMP
Q652	2SA564-S	LUMINANCE AMP
Q655	2SC1685-TA	IDENT SWITCH
	2SD965-R	OVER CURRENT
Q802		STANDBY R/C
	2SC1688-TA	TRANSISTOR
Q1115	2SC1685-TA	TRANSISTOR
Q1116	2SC1685-TA	TRANSISTOR
Q1117	UN4111TA	BAND SWITCHING
Q1118	UN4111TA	BAND SWITCHING
Q1119		BAND SWITCHING
Q1120		AFC DEFEAT SWITCH
Q1121		AFC DEFEAT
Q1122		5V REGULATOR
Q1123	2SC1685-TA	TRANSISTOR
Q1124	2SC1685-TA	TRANSISTOR
Q1125		SWITCH
Q1126	UN4211TA	SWITCH

Ref No.	Part No.	Description	
Q1127	2SC1685-TA	TRANSISTOR	
Q1128	UN4213TA	TRANS	
Q1129	UN4211TA	TRANSISTOR	
Q1130	2SC1685-TA	TRANSISTOR	
Q1134	2SC1685-TA	TRANSISTOR	
Q2501	2SC1685-TA	TRANSISTOR	
Q2502	2SA564-S	TRANSISTOR	
Q2503	2SC1685-TA	TRANSISTOR	
Q2504	2SC1685-TA	TRANSISTOR	

RES	ISTORS		
	.o.o.c		
R14 R30	ERD25TJ185 ERD25TJ153	CARBON 0.25W 5% CARBON 0.25W 5%	1.8M 15K
R31	ERD25TJ222	CARBON 0.25W 5%	2. 2K
R70	ERG1ANJ153	METAL 1W A 5%	15K
R102 R103	EVND4AA00B14 ERD25TJ822	VARIABLE RESISTOR CARBON 0.25W 5%	10K 8.2K
R104	ERD25TJ272	CARBON 0.25W 5%	2. 7K
R106	ERD25TJ471	CARBON 0.25W 5%	470
R107 R108	ERD25TJ562 ERD25TJ2R2	CARBON 0.25W 5% CARBON 0.25W 5%	5.6K 2.2
R110	ERD25TJ101	CARBON 0. 25W 5%	100
R111	ERD25TJ122	CARBON 0.25W 5%	1.2K
R112 R113	ERD25TJ155 ERD25TJ333	CARBON 0.25W 5% CARBON 0.25W 5%	1.5M 33K
R115	ERD25TJ472	CARBON 0.25W 5%	4.7K
R116	ERD25TJ391	CARBON 0.25W 5%	390
R119 R120	ERD25TJ684 ERD25TJ471	CARBON 0.25W 5% CARBON 0.25W 5%	680K 470
R122	ERD25TJ472	CARBON 0.25W 5%	4.7K
R124	ERD25TJ562	CARBON 0.25W 5% CARBON 0.25W 5%	5.6K 2.2K
R126 R127	ERD25TJ222 ERD25TJ562	CARBON 0.25W 5% CARBON 0.25W 5%	5. 6K
R128	ERD25TJ562	CARBON 0.25W 5%	5.6K
R129 R130	ERD25TJ821 ERD25TJ330	CARBON 0.25W 5% CARBON 0.25W 5%	820 33
R131	ERD25TJ125	CARBON 0. 25W 5%	1. 2M
R201	ERD25TJ471	CARBON 0.25W 5%	470
R203 R206	ERD25TJ472 ERD25TJ222	CARBON 0.25W 5% CARBON 0.25W 5%	4.7K 2.2K
R207	EVND4AA00B53	VARIABLE RESISTOR	5 K
R251 R252	ERG1ANJ331 ERD25TJ101	METAL 1W Δ 5% CARBON 0.25W 5%	330 100
R252	ERD25TJ221	CARBON 0.25W 5%	220
R254	ERD25TJ471	CARBON 0.25W 5%	470
R256 R257	ERD25TJ332 ERD25TJ3R3	CARBON 0.25W 5% CARBON 0.25W 5%	3.3K 3.3
R258	ERQ1CJP120	FILM 1W 5% A	12
R259	ERD25TJ472	CARBON 0.25W 5%	4.7K
R260 R261	ERD25TJ332 ERD25TJ103	CARBON 0.25W 5% CARBON 0.25W 5%	3.3K 10K
R301	ERD25TJ152	CARBON 0. 25W 5%	1. 5K
R302	ERD25TJ561	CARBON 0.25W 5%	560
R303 R304	ERD25TJ272 EVND4AA00B52	CARBON 0.25W 5% VARIABLE RESISTOR	2.7K 500
R305	ERD25TJ152	CARBON 0. 25W 5%	1. 5K
R306 R307	ERD25TJ122 ERD25TJ561	CARBON 0. 25W 5%	1. 2K
R308	ERD25TJ822	CARBON 0.25W 5% CARBON 0.25W 5%	560 8.2K
R309	ERD25TJ822	CARBON 0.25W 5%	8.2K
R310 R311	ERD25TJ182 ERD25TJ102	CARBON 0.25W 5% CARBON 0.25W 5%	1.8K 1.0K
R313	ERD25TJ102	CARBON 0. 25W 5%	1. 0K
R314	ERD25TJ102	CARBON 0.25W 5%	1.0K
R315 R316	ERD25TJ102 ERD25TJ471	CARBON 0.25W 5% CARBON 0.25W 5%	1.0K 470
R317	EVND4AA00B54	VARIABLE RESISTOR	50K
R318	ERD25TJ274	CARBON 0.25W 5%	270K
R319 R321	ERD25TJ563 EVND4AA00B24	CARBON 0.25W 5% VARIABLE RESISTOR	56K 20K
R322	ERD25TJ563	CARBON 0.25W 5%	56K
R324 R325	ERD25TJ393 ERD25TJ102	CARBON 0.25W 5% CARBON 0.25W 5%	39K 1.0K
R326	ERD25TJ101	CARBON 0. 25W 5%	100
R327	ERD25TJ121	CARBON 0.25W 5%	120
R328 R329	ERD25TJ102 ERD25TJ682	CARBON 0.25W 5% CARBON 0.25W 5%	1.0K 6.8K
R330	ERD25TJ103	CARBON 0. 25W 5%	10K
R331	EVUE2AM30B14	VARIABLE RESISTOR	10K
R332 R333	ERD25TJ103 ERD25TJ103	CARBON 0.25W 5% CARBON 0.25W 5%	10K 10K
R334	ERD25TJ103	CARBON 0.25W 5%	10K
R335	ERDS1TJ471	CARBON 0.5W 5%	470
R336 R337	ERD25TJ273 ERD25TJ104	CARBON 0.25W 5% CARBON 0.25W 5%	27K 100K
R338	ERD25TJ102	CARBON 0.25W 5%	1. 0K
R339 R340	ERD25TJ103 ERD25TJ331	CARBON 0.25W 5%	10K
	LND2010001	CARBON 0.25W 5%	330

Ref No.	. Part No.	Description	
R3 4 5	ERO25CKF7151	METAL 0.25W 5% Δ	7.15K
R346 R347	ERO25CKF3001 ERD25TJ102	METAL 0.25W 5% Δ CARBON 0.25W 5%	3,00K 1,0K
R349	ERD25TJ123	CARBON 0.25W 5%	12K
R351	ERG2ANJ822	METAL 2W A 5%	8.2K
R352	ERG2ANJ822	METAL 2W A 5%	8.2K
R353 R354	ERG2ANJ822 ERD25TJ181	METAL 2W	8.2K 180
R355	ERD25TJ271	CARBON 0.25W 5%	270
R356	ERD25TJ181	CARBON 0.25W 5%	180
R357	EVN65AA00B22	VARIABLE RESISTOR	200
R358 R359	EVN65AA00B22 ERD25TJ471	VARIABLE RESISTOR CARBON 0.25W 5%	200 470
R360	ERD25TJ471	CARBON 0. 25W 5%	470
R361	ERD25TJ471	CARBON 0.25W 5%	470
R362 R364	EVN65AA00B53 EVN65AA00B53	VARIABLE RESISTOR VARIABLE RESISTOR	5K 5K
R366	ERDS1TJ152	CARBON 0.5W 5%	1. 5K
R367	ERDS1TJ152	CARBON 0.5W 5%	1.5K
R369	EVN65AA00B53	VARIABLE RESISTOR	5K
R374 R375	ERD25TJ104 ERDS1TJ152	CARBON 0.25W 5% CARBON 0.5W 5%	100K 1.5K
R376	ERD25TJ103	CARBON 0.25W 5%	10K
R377	ERD25TJ391	CARBON 0.25W 5%	390
R380	ERD25TJ102	CARBON 0.25W 5%	1.0K
R381 R382	ERD25TJ102 ERD25TJ822	CARBON 0.25W 5% CARBON 0.25W 5%	1.0K 8.2K
R383	ERD25TJ181	CARBON 0. 25W 5%	180
R384	ERD25TJ102	CARBON 0.25W 5%	1.0K
R385 R401	ERD25TJ153 ERD25TJ101	CARBON 0.25W 5% CARBON 0.25W 5%	15K
R401	ER02513101 ER025CKF8203	CARBON 0.25W 5% METAL 0.25W 5% Δ	100 820K
R404	ERD25TJ123	CARBON 0.25W 5%	12K
R423	ERD25TJ105	CARBON 0.25W 5%	1. 0M
R424 R425	ERD25TJ395 ERD25TJ683	CARBON 0.25W 5% CARBON 0.25W 5%	3.9M 68K
R426	ERD25TJ225	CARBON 0.25W 5%	2. 2M
R452	ERD25TJ182	CARBON 0.25W 5%	1.8K
R453	ERD25TJ470	CARBON 0.25W 5%	47
R454 R456	ERD25TJ432 EVND4AA00B22	CARBON 0.25W 5% VARIABLE RESISTOR	4.3K 200
R458	ERDS1TJ132	CARBON 0.5W 5%	1.3K
R461	ERDS1TJ2R2	CARBON 0.5W 5%	2.2
R464	ERD25TJ561	CARBON 0.25W 5% CARBON 0.25W 5%	560 2.7K
R466 R469	ERD25TJ272 ERD25TJ331	CARBON 0.25W 5% CARBON 0.25W 5%	330
R472	ERD25TJ223	CARBON 0.25W 5%	22K
R473	ERD25TJ332	CARBON 0.25W 5%	3.3K
R481 R482	ERD25TJ331 TSF19631	CARBON 0.25W 5% FUSABLE LINK A	330
R483	ERD25TJ102	CARBON 0. 25W 5%	1.0K
R484	ERD25TJ122	CARBON 0.25W 5%	1.2K
R502 R503	ERD25TJ124 ERO25CKF3002	CARBON 0.25W 5% METAL 0.25W 5% Δ	120K 30.0K
R504	EVND4AA00B14	VARIABLE RESISTOR	10K
R505	ERD25TJ123	CARBON 0.25W 5%	12K
R506	ERD25TJ682	CARBON 0.25W 5%	6.8K
R507 R509	ERD25TJ272 ERD25TJ333	CARBON 0, 25W 5% CARBON 0, 25W 5%	2.7K
R510	ERD25TJ222	CARBON 0.25W 5% CARBON 0.25W 5%	33K 2, 2K
R511	EVND4AA00B23	VARIABLE RESISTOR	2K
R513	ERD25TJ102	CARBON 0. 25W 5%	1. 0K
R514 R515	ERD25TJ562 ERD25TJ471	CARBON 0, 25W 5% CARBON 0, 25W 5%	5.6K 470
R521	ERD25TJ561	CARBON 0. 25W 5%	560
R524	ERD25TJ561	CARBON 0.25W 5%	560
R526 R527	ERD25TJ183 ERD25TJ221	CARBON 0.25W 5% CARBON 0.25W 5%	18K
R527	ERD25TJ275	CARBON 0.25W 5%	220 2.7M
R532	ERD25TJ562	CARBON 0.25W 5%	5.6K
R533	ERG2ANJ391	METAL 2W & 5%	390
R534 R542	ERD25TJ332 ERD25TJ474	CARBON 0.25W 5% CARBON 0.25W 5%	3.3K 470K
R543	ERD25TJ103	CARBON 0. 25W 5%	10K
R545	ERD25TJ103	CARBON 0.25W 5%	10K
R 5 4 6 R 5 4 7	ERD25TJ823	CARBON 0.25W 5%	8 2 K
R547	ERD25TJ103 ERD25TJ183	CARBON 0.25W 5% CARBON 0.25W 5%	10K 18K
R551	ERF7ZK8R2	WOUND 7W 10%	8. 2
R552	ERQ12HJ1R2	FILM 0.5W 5% Δ	1.2
R554 R556	ERQ14AJ151 TSF19102	FILM 0.25W 5% △ FUSABLE LINK △	150
R557	ERQ1CJP3R9	FILM 1W 5% A	3.9
R558	ERQ2CJP180	FILM 2W 5% A	18
R559	ERD25TJ274	CARBON 0. 25W 5%	270K
R560 R561	ERDS1TJ1R5 ERD25TJ153	CARBON 0.5W 5% CARBON 0.25W 5%	1.5 15K
R562	ERD25TJ154	CARBON 0. 25W 5%	150K
R564	ERDS1TJ1R8	CARBON 0.5W 5%	1.8
R565	ERQ1CJP681	FILM 1W 5% A	680
R602	ERD25TJ222	CARBON 0.25W 5%	2. 2K

Ref No.	Part No.	Description	
R604	ERD25TJ123	CARBON 0.25W 5%	12K
R606 R607	EVND4AA00B54 ERD25TJ102	VARIABLE RESISTOR CARBON 0.25W 5%	50K 1.0K
R608	ERD25TJ122	CARBON 0.25W 5%	1. 2K
R609	EVND4AA00B13	VARIABLE RESISTOR	10K
R610	ERD25TJ391	CARBON 0.25W 5%	390
R611	ERD25TJ471	CARBON 0.25W 5%	470
R612	ERO25CKF1002	METAL 0.25W 5% △	10.0K
R614 R616	ERO25CKF1002 ERD25TJ101	METAL 0.25W 5% Δ CARBON 0.25W 5%	10.0K 100
R617	ERD2573101	CARBON 0.25W 5%	100
R618	ERD25TJ101	CARBON 0.25W 5%	100
R626	ERD25TJ103	CARBON 0.25W 5%	10K
R628	ERD25TJ682	CARBON 0.25W 5%	6.8K
R629	ERD25TJ513	CARBON 0.25W 5%	51K
R630 R654	ERD25TJ103 ERD25TJ152	CARBON 0.25W 5% CARBON 0.25W 5%	10K 1.5K
R655	ERD25TJ152	CARBON 0.25W 5%	1. 5K
R656	ERD25TJ222	CARBON 0.25W 5%	2. 2K
R657	ERD25TJ102	CARBON 0.25W 5%	1. 0K
R658	EVND4AA00B13	VARIABLE RESISTOR	10K
R661	ERD25TJ562	CARBON 0.25W 5%	5.6K
R662	ERD25TJ471	CARBON 0.25W 5%	470
R663 R664	ERD25TJ101 ERD25TJ331	CARBON 0.25W 5% CARBON 0.25W 5%	100 330
R665	ERD25TJ182	CARBON 0.25W 5%	1.8K
R672	ERD25TJ272	CARBON 0. 25W 5%	2. 7K
R673	ERD25TJ822	CARBON 0. 25W 5%	8. 2K
R674	ERD25TJ822	CARBON 0.25W 5%	8.2K
R675	ERD25TJ102	CARBON 0.25W 5%	1.0K
R680	ERD25TJ221	CARBON 0. 25W 5%	220
R681	ERD25TJ182 ERF5ZK4R7	CARBON 0.25W 5% WOUND 5W 10%	1.8K
R802 R803	ERDS1TJ564	WOUND 5W 10% CARBON 0.5W 5%	4.7 560K
R804	ERDS1TJ333	CARBON 0.5W 5%	33K
R805	ERDS1TJ333	CARBON 0.5W 5%	33K
R810	ERDS1TJ3R9	CARBON 0.5W 5%	3.9
R811	ERW12PKR27	WOUND 0.5W A	0.27
R812	ERG2ANJ121	METAL 2W A 5%	120
R813	ERG1ANJ683	METAL 1W A 5%	68K
R 8 1 4 R 8 1 5	ERD75TAJ825 ERQ14AJ5R6	CARBON 0.75W 5% FILM 0.25W 5% ₫	8, 2M 5, 6
R816	ERD25TJ222	CARBON 0. 25W 5%	2. 2K
R817	ERDS1TJ683	CARBON 0.5W 5%	68K
R818	ERD25TJ274	CARBON 0.25W 5%	270K
R820	ERDS1TJ473	CARBON 0.5W 5%	47K
R821	ERDS1TJ473	CARBON 0.5W 5%	47K
R822	ERDS1TJ683	CARBON 0.5W 5% FILM 0.5W 5% ₫	68K
R851 R852	ERQ12HJ2R2 ERQ1CKPR82	FILM 0.5W 5% △ FILM 1W 5% △	2.2 0.82
R1108	ERD25TJ221	CARBON 0. 25W 5%	220
R1109	TSF19631	FUSABLE LINK A	
R1110	ERD25TJ103	CARBON 0.25W 5%	10K
R1112	ERD25TJ103	CARBON 0.25W 5%	10K
R1116	ERD25TJ223	CARBON 0. 25W 5%	22K
R1117 R1119	ERD25TJ103 ERD25TJ104	CARBON 0.25W 5% CARBON 0.25W 5%	10K 100K
R1120	ERD257J104	CARBON 0. 25W 5%	100K
R1121	ERD25TJ102	CARBON 0. 25W 5%	1. 0K
R1122	ERD25TJ102	CARBON 0.25W 5%	1. 0K
R1123	ERD25TJ102	CARBON 0.25W 5%	1.0K
R1124	ERD25TJ101	CARBON 0.25W 5%	100
R1125	ERD25TJ101	CARBON 0.25W 5%	100
R1126	ERD25TJ101	CARBON 0. 25W 5%	100
R1127 R1128	ERD25TJ101 ERD25TJ101	CARBON 0.25W 5% CARBON 0.25W 5%	100
R1129	ERD2513101	CARBON 0.25W 5%	100 100
R1130	ERD25TJ101	CARBON 0.25W 5%	100
R1131	ERD25TJ392	CARBON 0.25W 5%	3.9K
R1132	ERD25TJ203	CARBON 0.25W 5%	20K
R1133	ERD25TJ622	CARBON 0.25W 5%	6.2K
R1134	ERD25TJ332	CARBON 0.25W 5%	3.3K
R1135	ERD25TJ822	CARBON 0.25W 5%	8. 2K
R1136 R1137	ERD25TJ203 ERD25TJ622	CARBON 0.25W 5% CARBON 0.25W 5%	20K 6.2K
R1138	ERD25TJ332	CARBON 0.25W 5%	3.3K
R1139	ERD25TJ822	CARBON 0.25W 5%	8. 2K
R1140	ERD25TJ273	CARBON 0.25W 5%	27K
R1141	ERD25TJ332	CARBON 0.25W 5%	3.3K
R1142	ERD25TJ822	CARBON 0.25W 5%	8.2K
R1143	ERD25TJ822	CARBON 0.25W 5%	8.2K
R1144 R1145	ERD25TJ203 ERD25TJ103	CARBON 0.25W 5% CARBON 0.25W 5%	20K
R1145	ERD251J103	CARBON 0.25W 5% CARBON 0.25W 5%	10K 10K
R1148	ERD25TJ103	CARBON 0.25W 5%	10K
R1150	ERD25TJ153	CARBON 0. 25W 5%	15K
R1152	ERD25TJ221	CARBON 0.25W 5%	220
R1153	ERD25TJ102	CARBON 0.25W 5%	1.0K
		CARRON A REW EN	4 74
R1154 R1155	ERD25TJ472 ERD25TJ183	CARBON 0.25W 5% CARBON 0.25W 5%	4.7K 18K

Ref No.	Part No.	Description		
R1157	ERD25TJ224		0.25W 5%	220K
R1158	ECKC1H103JB	CERAMIC	50V	10NF
R1159	ERD25TJ681		0.25W 5%	680
R1160	ERD25TJ123 ERD25TJ563	CARBON	0. 25W 5%	12K
R1161 R1162	ERD25TJ222	CARBON	0.25W 5% 0.25W 5%	56K 2.2K
R1163	ERD25TJ223	CARBON	0.25W 5%	22K
R1164	ERD25TJ103	CARBON	0.25W 5%	10K
R1165	ERD25TJ562	CARBON		5. 6K
R1166 R1167	ERD25TJ153 ERD25TJ222	CARBON	0.25W 5% 0.25W 5%	15K 2.2K
R1168	ERD25TJ472	CARBON		4.7K
R1169	ERD25TJ123	CARBON	0.25W 5%	12K
R1170	ERD25TJ183	CARBON	0.25W 5%	18K
R1171 R1172	ERD25TJ222 ERD25TJ222	CARBON	0.25W 5% 0.25W 5%	2.2K 2.2K
R1173	ERD25TJ104	CARBON	0. 25W 5%	100K
R1174	ERD25TJ222	CARBON	0.25W 5%	2. 2K
R1175	ERD25TJ221	CARBON	0.25W 5%	220
R1176	ERD25TJ103	CARBON	0.25W 5%	10K
R1177 R1178	ERD25TJ153 ERD25TJ103	CARBON	0.25W 5% 0.25W 5%	15K 10K
R1179	ERD25TJ103	CARBON	0. 25W 5%	10K
R1180	ERD25TJ103	CARBON	0.25W 5%	10K
R1183	ERD25TJ562	CARBON	0.25W 5%	5.6K
R1184 R1185	ERD25TJ151	CARBON	0.25W 5%	150
R1186	ERD25TJ562 ERDS1TJ561	CARBON	0.25W 5% 0.5W 5%	5.6K 560
R1187	ERD25TJ562	CARBON	0.25W 5%	5.6K
R1188	ERD25TJ203	CARBON	0.25W 5%	20K
R1189	ERD25TJ622	CARBON	0.25W 5%	6.2K
R1190	ERD25TJ222 ERD25TJ332	CARBON	0.25W 5%	2.2K
R1191 R1192	ERD251J332	CARBON	0.25W 5% 0.25W 5%	3.3K 8.2K
R1194	ERD25TJ472	CARBON	0.25W 5%	4.7K
R1195	ERD25TJ512	CARBON	0.25W 5%	5.1K
R1196	ERD25TJ822	CARBON	0.25W 5%	8.2K
R1197 R1198	ERD25TJ103 ERD25TJ822	CARBON CARBON	0.25W 5% 0.25W 5%	10K 8.2K
R1199	ERD25TJ103	CARBON	0. 25W 5%	1.0K
R1201	ERD25TJ152	CARBON	0.25W 5%	1.5K
R1202	ERD25TJ182	CARBON	0.25W 5%	1.8K
R1203	ERD25TJ152	CARBON	0.25W 5%	1.5K
R1206 R1207	ERD25TJ103 ERD25TJ102	CARBON	0.25W 5% 0.25W 5%	10K 1.0K
R1214	ERD25TJ103	CARBON	0.25W 5%	10K
R1215	ERD25TJ103	CARBON	0.25W 5%	10K
R1216	ERD25TJ103	CARBON	0.25W 5%	10K
R1217 R1218	ERD25TJ103 ERD25TJ101	CARBON	0.25W 5% 0.25W 5%	10K 100
R1219	ERD25TJ101	CARBON	0.25W 5%	100
R1220	ERD25TJ104	CARBON	0.25W 5%	100K
R1221	ERD25TJ683		0.25W 5%	68K
R1601	ERD25TJ183		0.25W 5%	18K
R1602 R1603	ERD25TJ274 EVND4AA00B15		0.25W 5% E RESISTOR	270K 100K
R1604	ERD25TJ4R7	CARBON		4.7
R1605	ERD25TJ101	CARBON		100
R1606	ERD25TJ101		0.25W 5%	. 100
R2501 R2502	ERD25TJ101 ERD25TJ222	CARBON		100 2.2K
R2502	ERD257J222	CARBON		100
R2504	ERD25TJ750	CARBON	0.25W 5%	75
R2505	ERD25TJ681	CARBON		680
R2506 R2507	ERD25TJ680 ERD25TJ103		0.25W 5% 0.25W 5%	68 10K
R2507	ERD251J103	CARBON		10K 75
R2509	ERD25TJ180		0.25W 5%	18
R2510	ERD25TJ560	CARBON	0.25W 5%	56
R2511	ERD25TJ180	CARBON		18
R2512 R2513	ERD25TJ560 ERD25TJ180	CARBON		56 18
R2514	ERD25TJ560	CARBON		56
R2515	ERD25TJ473	CARBON		47K
R2516	ERD25TJ104	CARBON		100K
R2517	ERD25TJ221	CARBON		220
R2518 R2519	ERD25TJ101 ERD25TJ103	CARBON		100 10K
R2519	ERD25TJ104	CARBON		100K
R2521	ERD25TJ473	CARBON	0.25W 5%	47K
R2522	ERD25TJ103	CARBON		10K
R2601 R2625	ERD25TJ8R2 ERD25TJ102	CARBON		8.2 1.0K
11.5023	LND2313102	CARBON	U. EUW 3%	1. 0K
SWIT	CHES			

S301 S401 S1110 EVQR1AL13 EVQR4AL13 EVQQBH12T SERVICE SWITCH VERT. SHIFT VOL. UP

Ref No.	Part No. Des	cription
1111	EVQQBH12T	VOL. DOWN
S1112	EVQQBH12T	CH. UP
31113	EVQQBH12T	CH. DOWN
31114	EVQQBH12G	SEARCH UP
31115	EVQQBH12G	SEARCH DOWN
31116	EVQQBH12T	TV/AV
S1117	EVQQBH12G	PRESET
31118	EVQQBH12G	NORMAL STORE
S1119	EVQQBH12G	STORE
31120	EVQQBH12T	BRIGHT UP
S1121	EVQQBH12T	BRIGHT DOWN
51122	EVQQBH12T	COLOUR UP
S1123	EVQQBH12T	COLOUR DOWN
\$1124	EVQQBH12G	H.S SEARCH

Ref No.	Part No. Descrip	otion
TRAN	SFORMERS	
T201	EIS1EG014B	TRANSFORMER
T202	EIS7ES710B	SIF TRANSFORMER
T531	ETH19Y53AY	TRANSFORMER
T801 △	ETS42K610A	CHOPPER TRANSFORMER
T802 △	ETP35KE65E	TRANSFORMER
FILTE	RS	
X101	SW174A	FILTER
X201	EFCS5R5MS3	FILTER
X301	EFCA4R43MB3	FILTER
	TSS2003-M	CRYSTAL
X601		